

Amendment to the Claims

1. (currently amended) An anastomosis device, comprising:
a first plurality of arcuate members arranged in a first position in a cylindrical crown shape
with each arcuate member having legs overlapping at least one adjacent arcuate member;
and
a second plurality of arcuate members arranged in a first position in an inverted cylindrical
crown shape with each arcuate member having legs overlapping at least one adjacent
arcuate member of the second plurality and connected by the connecting member to a leg
of an arcuate member of the first plurality;
wherein the legs of the arcuate members of the first plurality are attached to the respective
arcuate member of the second plurality by a connecting member;
wherein the legs of the arcuate members of the first plurality are attached to the respective
arcuate member of the second plurality by a rigid connecting member, a petal formed by
the first arcuate member actuating generally in a plane with the respective attached
arcuate members pivoting about a cylindrical midpoint of the anastomosis device; and
wherein the woven tube thus formed is operably configured to transform into a second
position comprising a hollow rivet shape with each arcuate member outwardly deflected
from a longitudinal axis of its respective cylindrical crown toward apposing arcuate
members of the other cylindrical crown.
2. – 5. (canceled).
6. (currently amended) The anastomosis device of claim [[5]] 1, wherein each leg is
further hingedly coupled at the circular midpoint of the anastomosis device to at least one other
leg.
7. (currently amended) The anastomosis device of claim [[3]] 1, wherein the legs of the
arcuate members of the first plurality are attached to the respective arcuate member of the second
plurality by a pivotal connecting member.

8. (currently amended) The anastomosis device of claim ~~[[3]]~~ 1, wherein the connecting member comprises a band at a midpoint of the device connected to each arcuate member.

9. – 10. (canceled)

11. (currently amended) ~~[[The]]~~ An anastomosis ring device of claim 10, comprising a plurality of arcuate members operably configured to be arranged into two crowns attached to one another to present petals circumferentially hinged at a circular midpoint, each arcuate member comprising a pair of diverging connected legs;

wherein each arcuate member further comprises:

a first end having a pin receiving recess; and

a second end having a pivot pin;

wherein the first end of a first arcuate member pivotally connects to a second end of a second arcuate member and the second end of the first arcuate member connects to a first end of a third arcuate member.

12. (original) The anastomosis ring device of claim 11, wherein the first, second and third arcuate members reside within the same crown, the first and second ends of each arcuate member rigidly connected to a respective first and second end of a fourth and fifth inverted arcuate member of the crown.

13. (currently amended) The anastomosis ring device of claim 12, wherein the first and second ends are aligned parallel to one another and perpendicularly oriented with respect to a plane formed by the diverging connection of the two legs.

~~The applier of claim 1, wherein the actuating member is engaged to the distal ring.~~

14. (new) A method of forming an anastomosis device, comprising:
forming a first plurality of arcuate members;
arranging the first plurality of arcuate members into a first position in a cylindrical crown shape with each arcuate member having legs overlapping at least one adjacent arcuate member;
forming a second plurality of arcuate members;
arranging in a first position in an inverted cylindrical crown shape with each arcuate member having legs overlapping at least one adjacent arcuate member of the second plurality; and
connecting each leg of an arcuate member of the first plurality to a respective adjacent leg of an arcuate member of the second plurality;
wherein the woven tube thus formed is operably configured to transform into a second position comprising a hollow rivet shape with each arcuate member outwardly deflected from a longitudinal axis of its respective cylindrical crown toward apposing arcuate members of the other cylindrical crown.
15. (new) The method of claim 14, wherein forming the first and second pluralities of arcuate members further comprises bending a length of shape memory effect alloy wire.
16. (new) The method of claim 14, wherein connecting each leg of the arcuate members of the first plurality to the respective adjacent leg of the arcuate member of the second plurality further comprises attaching one of a plurality of connecting members between aligned legs of the first and second pluralities.
17. (new) The method of claim 16, wherein attaching one of the plurality of connecting members between aligned legs of the first and second pluralities further comprises affixing a snap fit member.
18. (new) The method of claim 16, wherein attaching one of the plurality of connecting members between aligned legs of the first and second pluralities further comprises applying a glue material.

19. (new) The method of claim 16, wherein attaching one of the plurality of connecting members between aligned legs of the first and second pluralities further comprises ultrasonically welding.

20. (new) The method of claim 16, wherein attaching one of the plurality of connecting members between aligned legs of the first and second pluralities further comprises applying a thermally melted polymer.